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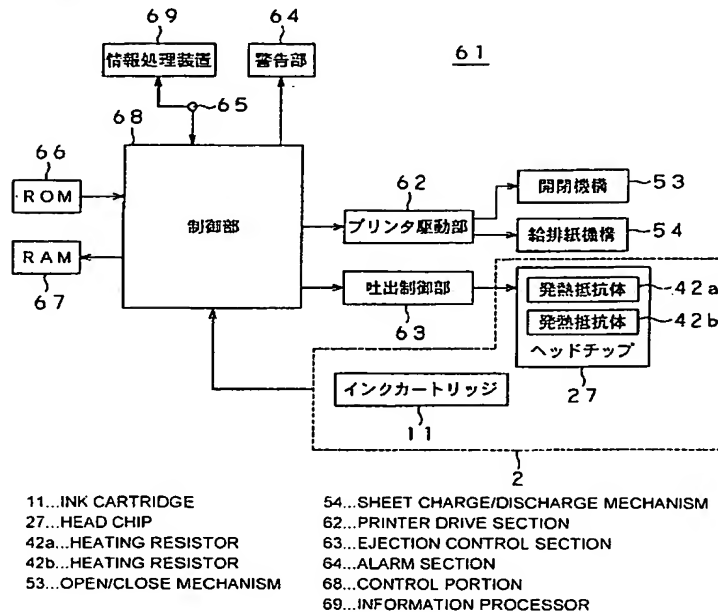
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(81) 指定国 (表示のない限り、全ての種類の国内保護が可能): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

[続葉有]

(54) Title: LIQUID EJECTOR AND LIQUID EJECTING METHOD

(54) 発明の名称: 液体吐出装置及び液体吐出方法



(57) Abstract: A liquid ejector for ejecting ink from an ejection opening, comprising a control section (68) for controlling an ejection control section (63). The control section controls the ejection control section with reference to a pulse current being supplied to one of a pair of heating resistors (42a, 42b) such that the other heating resistor is supplied with a pulse current while supply timing of this pulse current is being shifted from that of the reference pulse current within 20% of the reference pulse current supply time. Since a variation in shooting position of ink liquid drops ejected while varying the ejecting direction can be suppressed, deterioration of image quality due to irregular color tone, a white streak, etc. can be prevented and excellent image quality can be ensured in printing.

[続葉有]



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2文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

添付公開書類:

— 国際調査報告書

(57) 要約: 本発明は、吐出口よりインクを吐出する液体吐出装置であり、吐出制御部(63)を制御する制御部(68)を備え、制御部は、一対の発熱抵抗体(42a)(42b)のうち一方に供給されるパルス電流を基準にし、他方の発熱抵抗体には、基準となるパルス電流の供給タイミングに対し、基準となるパルス電流の供給時間の20%以内の範囲の時間でタイミングをずらしてパルス電流を供給するように吐出制御部を制御する。これにより、吐出方向を変えて吐出されたインク液滴の着弾位置のばらつきを抑えることができ、色調ムラや白スジ等による画質の劣化が防止されて優れた画質で印刷できる。

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/012857

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ B41J2/05

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ B41J2/05

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2004
Kokai Jitsuyo Shinan Koho 1971-2004 Toroku Jitsuyo Shinan Koho 1994-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2001-105584 A (Canon Inc.), 17 April, 2001 (17.04.01), Column 7, line 1 to column 8, line 6; Figs. 4 to 6 (Family: none)	1-6

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

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"E" earlier application or patent but published on or after the international filing date

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"&" document member of the same patent family

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Name and mailing address of the ISA/
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